PDF RENDERIZATION OF Example.R OUTPUT

```r
# Example usage of OaxacaSurvey

# Load required packages
library(survey) # depends on for svyglm and survey designs
```

```
## Loading required package: grid
## Loading required package: Matrix
## Loading required package: survival
##
## Attaching package: 'survey'
## The following object is masked from 'package:graphics':
##
##     dotchart
```

```r
library(boot) # depends on for bootstraping CI
```

```
##
## Attaching package: 'boot'
## The following object is masked from 'package:survival':
##
##     aml
```

```r
library(OaxacaSurvey) # latest version of this package

library(data.table) # optional, for data import and handling
library(magrittr) # optional, for piping with %>%

############################ Test code ##############################

# Import dataset and prepare it for SurveyOaxaca
df <- fread("eff-pool-2002-2020.csv")
df[, group := 0][class == "worker", group := 0][class == "capitalist", group := 1]
df[, rentsbi := 0][rents >= renthog * 0.1 & rents > 2000, rentsbi := 1]

# Define data object simulating a suvey with sampling weigths (variable w)
data <- data.frame(
  y = df$renthog,
  x1 = df$rentsbi,
  x2 = as.numeric(as.factor(df$homeowner)) - 2,
  group = df$group,
  weights = df$facine3
)

# Apply "oaxaca_blinder_svy" function to simulated data
result <- oaxaca_blinder_svy(
  y ~ x1 + x2,
  data = data,
  group = "group",
  weights = "weights",
  R = 10
)
```

```r
# Return Oaxaca-Blinder decomposition with bootestraped CI

result %>% print()
```

```
##           unex         end       coef     inter    total means1_y means2_y
## value 12868.92    6.471047  -219.2577  -19.8668 12636.27 44504.90 31868.64
## CI1   11821.27 -384.613735 -1769.5813 -310.1967 10295.19 41941.23 31546.17
## CI2   13721.37  239.901245  1514.0734  144.5232 14921.75 46973.73 32195.68
##       means_dif
## value  12636.27
## CI1    10295.19
## CI2    14921.75
```